

09/667,092 Search Strategy/Results

(FILE 'HOME' ENTERED AT 08:22:20 ON 24 APR 2002)

FILE 'MEDLINE, AGRICOLA, CAPLUS, BIOSIS, EMBASE, WPIDS' ENTERED AT
08:25:14 ON 24 APR 2002

L1 3 S CHITOBIASE (S) (ASPERGILLUS OR PENICILLIUM OR RHIZOPUS OR RHI
L2 1 DUP REM L1 (2 DUPLICATES REMOVED)
L3 0 S BIASE (S) (ASPERGILLUS OR PENICILLIUM OR RHIZOPUS OR RHIZOMUC
L4 11 S EXOCHITINASE (S) (ASPERGILLUS OR PENICILLIUM OR RHIZOPUS OR R
L5 5 DUP REM L4 (6 DUPLICATES REMOVED)

=>

IUBMB Enzyme Nomenclature

EC 3.2.1.29

Deleted entry: chitobiase. Now included with [EC 3.2.1.52](#) β -L-N-acetylhexosaminidase

[EC 3.2.1.29 created 1961, deleted 1972]

[Return to EC 3.2.1 home page](#)

[Return to EC 3.2 home page](#)

[Return to EC 3 home page](#)

[Return to Enzymes home page](#)

[Return to IUBMB Biochemical Nomenclature home page](#)

BECKY SUGGESTED CHITOBIASE / EXOCHITINASE

IUBMB Enzyme Nomenclature

EC 3.2.1.52

Common name: β -*N*-acetylhexosaminidase

Reaction: Hydrolysis of terminal non-reducing *N*-acetyl-D-hexosamine residues in *N*-acetyl- β -D-hexosaminides

Other name(s): hexosaminidase; β -acetylaminodeoxyhexosidase; *N*-acetyl- β -D-hexosaminidase; *N*-acetyl-beta-hexosaminidase; β -hexosaminidase; β -acetylhexosaminidase; β -D-*N*-acetylhexosaminidase; β -*N*-acetyl-D-hexosaminidase; β -*N*-acetylglucosaminidase; hexosaminidase A; *N*-acetylhexosaminidase; β -D-hexosaminidase

Systematic name: β -*N*-acetyl-D-hexosaminide *N*-acetylhexosaminohydrolase

Comments: Acts on *N*-acetylglucosides and *N*-acetylgalactosides.

Links to other databases: [BRENDA](#), [EXPASY](#), [KEGG](#), [WIT](#), CAS registry number: 9027-52-5

References:

1. Cabezas, J.A. Some comments on the type references of the official nomenclature (IUB) for β -*N*-acetylglucosaminidase, β -*N*-acetylhexosaminidase and β -*N*-acetylgalactosaminidase. *Biochem. J.* 261 (1989) 1059-1060. [Medline UI: [90026254](#)]
2. Calvo, P., Reglero, A. and Cabezas, J.A. Purification and properties of β -*N*-acetylhexosaminidase from the mollusc *Helicella ericetorum* Muller. *Biochem. J.* 175 (1978) 743-750. [Medline UI: [79124024](#)]
3. Frohwein, Y.S. and Gatt, S. Isolation of β -*N*-acetylhexosaminidase, β -*N*-acetylglucosaminidase, and β -*N*-acetylgalactosaminidase from calf brain. *Biochemistry* 6 (1967) 2775-2782. [Medline UI: [68015868](#)]
4. Li, S.-C. and Li, Y.-T. Studies on the glycosidases of jack bean meal. 3. Crystallization and properties of β -*N*-acetylhexosaminidase. *J. Biol. Chem.* 245 (1970) 5153-5160. [Medline UI: [71001523](#)]

[EC 3.2.1.52 created 1972 (EC 3.2.1.30 created 1961, incorporated 1992 [EC 3.2.1.29 created 1961, incorporated 1972])]

Return to [EC 3.2.1 home page](#)

Return to [EC 3.2 home page](#)

Return to [EC 3 home page](#)

Return to [Enzymes home page](#)

Return to [IUBMB Biochemical Nomenclature home page](#)